

Tyco / Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025-1164
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TRF250-145-0.125

DOCUMENT: SCD 26232
 PCN: RF0038-000
 REV LETTER: B
 REV DATE: NOVEMBER 2, 2005
 PAGE NO.: 1 OF 1

Specification Status: Preliminary

Max Electrical Rating at 20°C

Operating Voltage: 60V_{DC}
Interrupt Current: 3A_{RMS}

Fault Voltage: 250V_{RMS}

Lead Material :
 22 AWG Sn plated copper

Marking:

- _____ Raychem Logo
- ⊗ 45 _____ Part Identification
- _____ Lot Identification

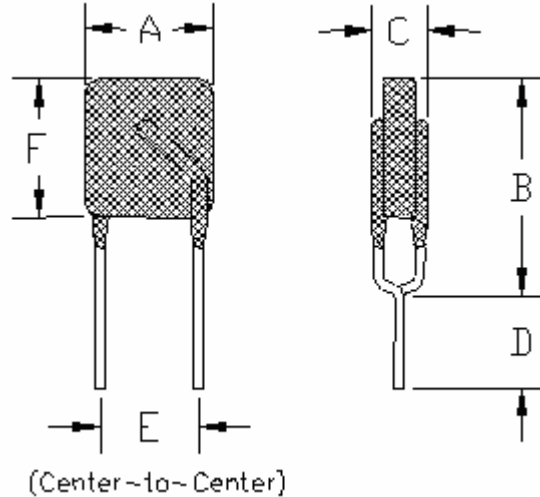


TABLE I. DIMENSIONS:

	A		B		C		D			E	F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	NOM	MAX	NOM	MIN	MAX
mm:	--	6.5	--	11.0	--	4.6	2.55	3.2	3.85	5.0	--	7.0
in:	--	(0.256)	--	(0.433)	--	(0.180)	(0.100)	(0.125)	(0.152)	(0.197)	--	(0.276)

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

IHOLD (A)		RESISTANCE Ω			TIME TO TRIP (s) @ 1A TYP
20°C	70°C	R MIN	R MAX	R _{1 MAX} *	
0.145	0.070	3.0	6.0	14.0	2.5

* Maximum device resistance at 20°C measured 1 hour post trip.

Additional Ratings @ 20°C
 Lightning Withstand ITU AT 1.5kV

Agency Recognition: UL, CSA, TUV pending
 Reference Documents: PS300
 Precedence: This specification takes precedence over documents referenced herein.
 Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.
 CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant

